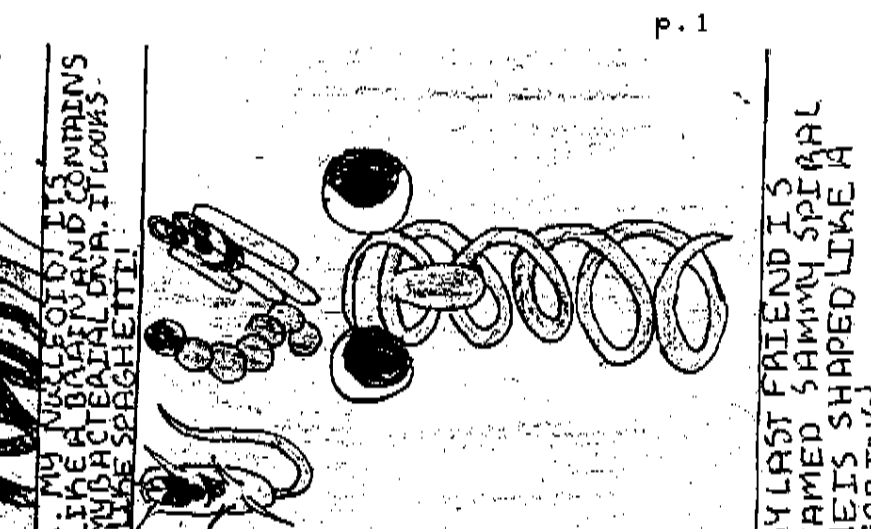
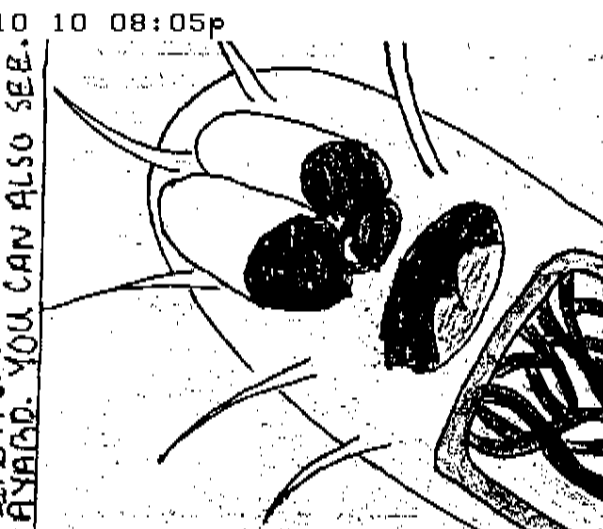
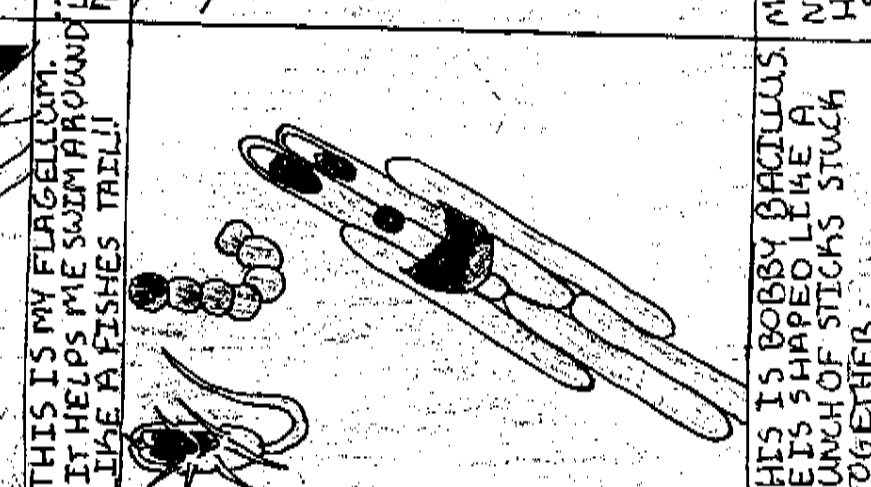
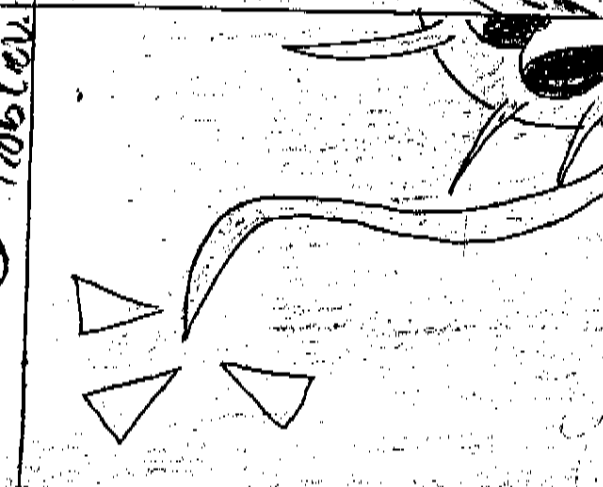
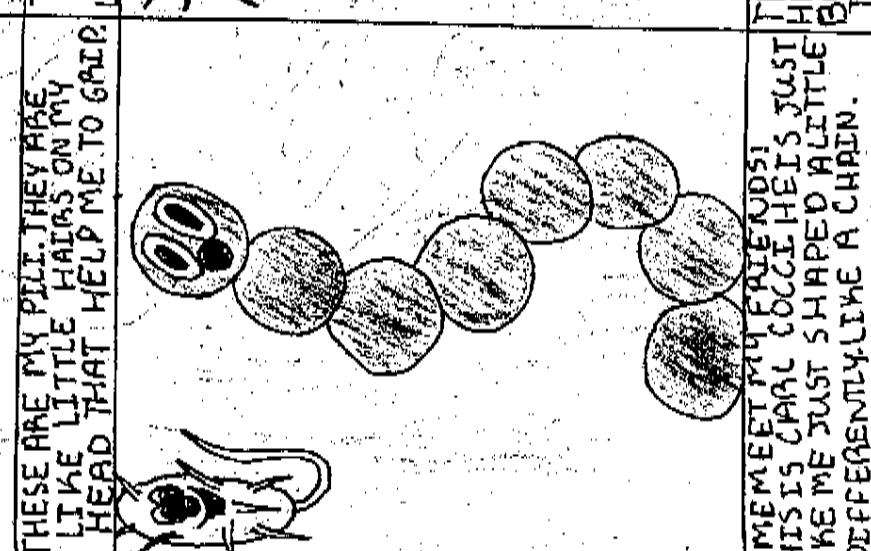
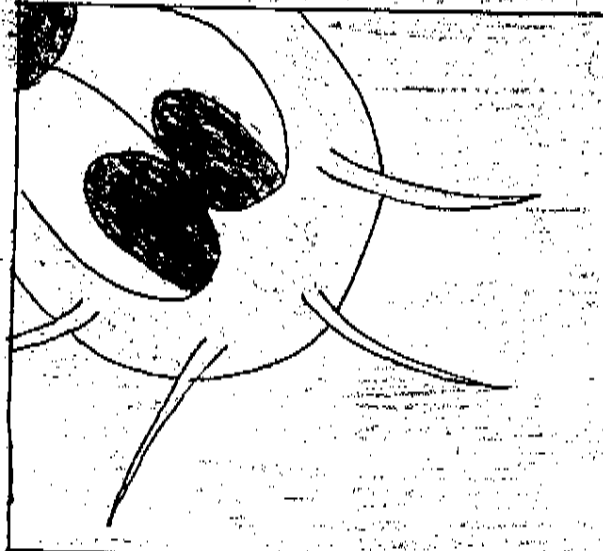
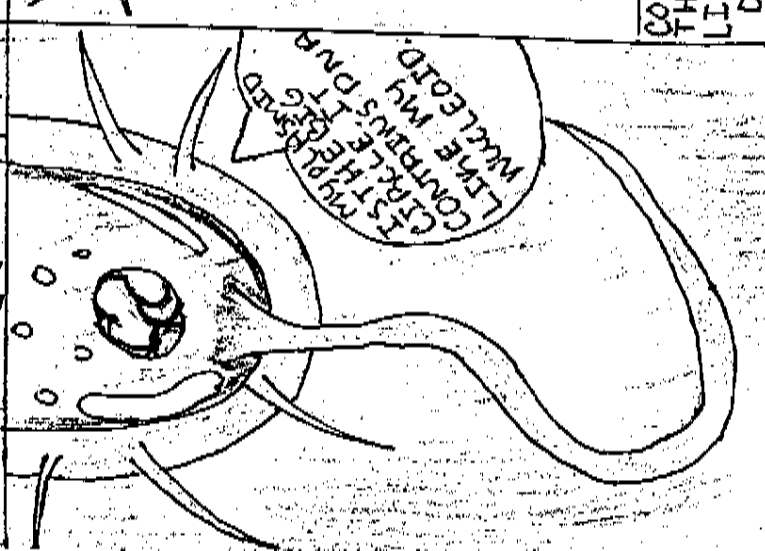
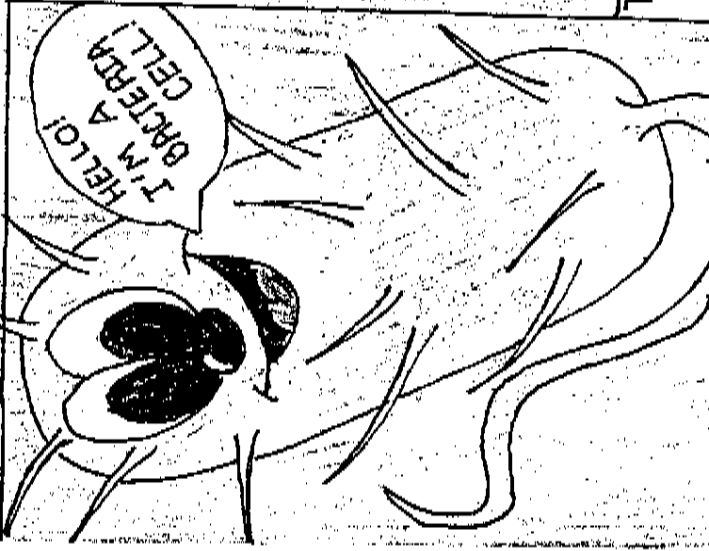


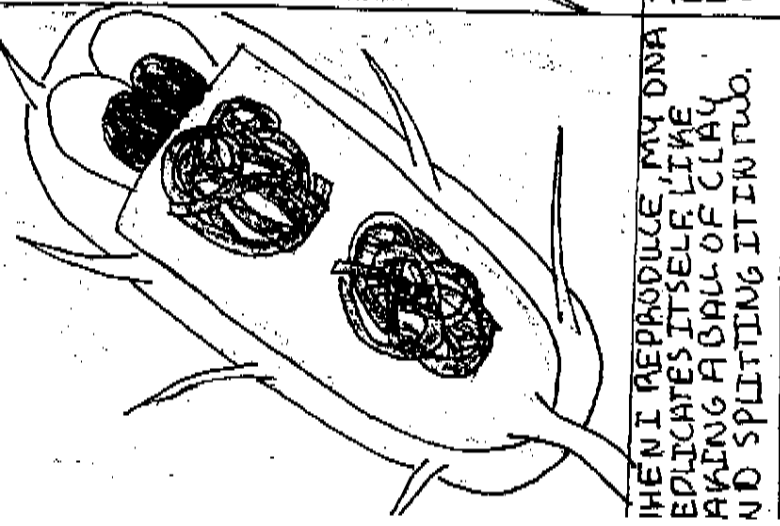
A BACTERIAL JOURNEY

YOU CAN SEE MY PLASMA MEMBRANE. THIS HELPS ME KEEP THINGS OUTSIDE ME. IT'S LIKE A GATE SURROUNDING A YARD. YOU CAN ALSO SEE...

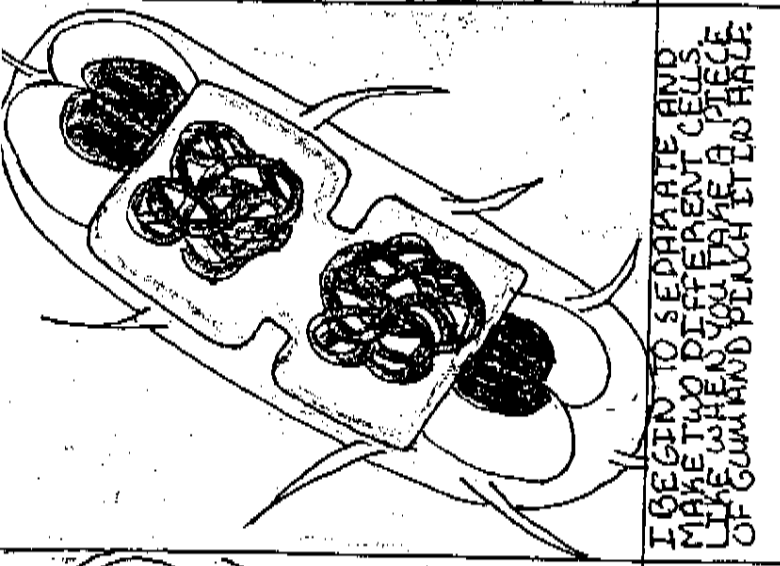
10 08:05p

p. 1

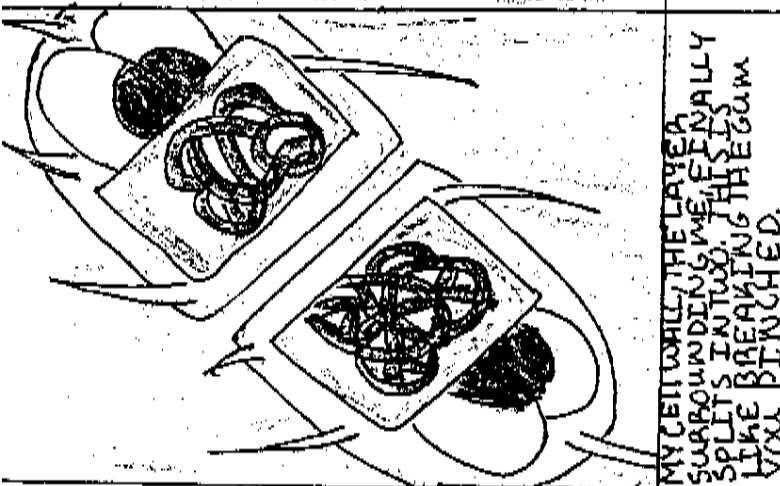




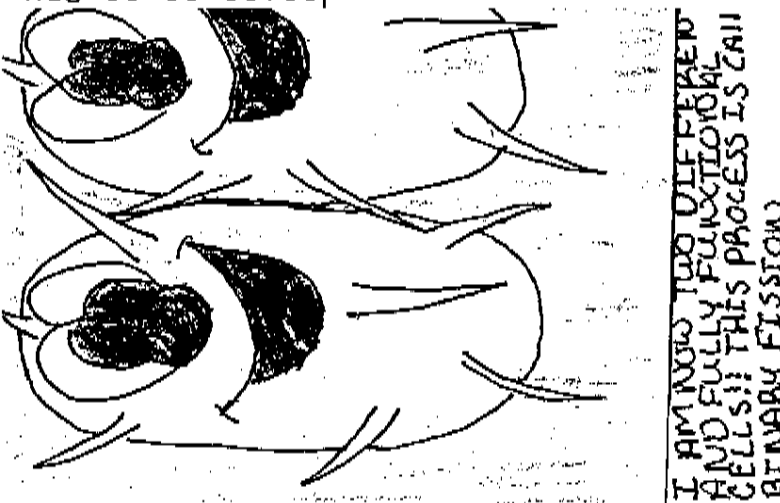
WHEN I REPRODUCE, MY DNA
EDUCATES ITSELF LIKE
MAKING A BALL OF CLAY
AND SPLITTING IT IN TWO.



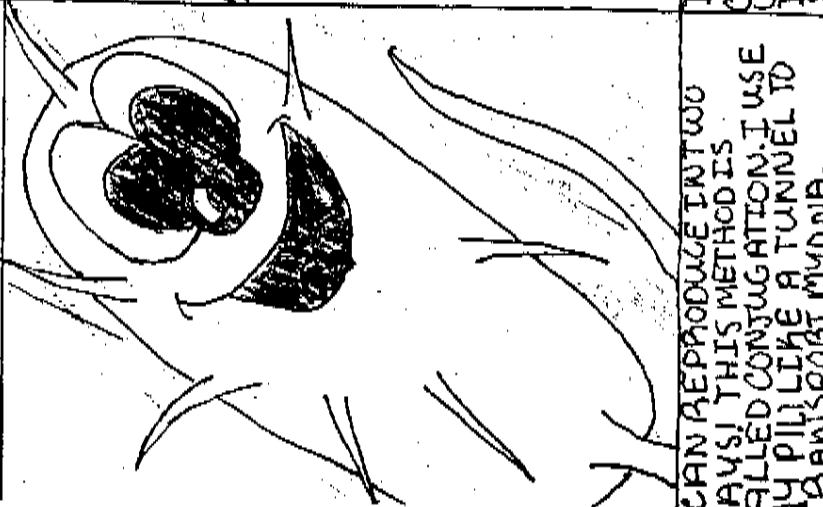
I BEGIN TO SEPARATE AND
MAKE TWO DIFFERENT CELLS
LIKE WHEN YOU TAKE A PIECE
OF GUM AND PINCH IT IN HALF.



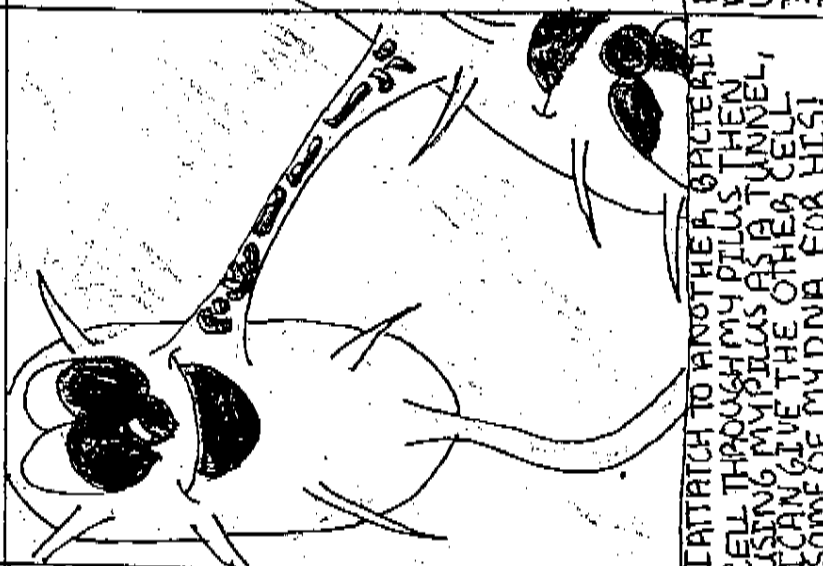
MY CELL WALL, THE LAYER
SURROUNDING ME, EVENTUALLY
SPLITS IN TWO. THE CELLS
LIKE BREAKING THE GUM
YOU PINCHED.



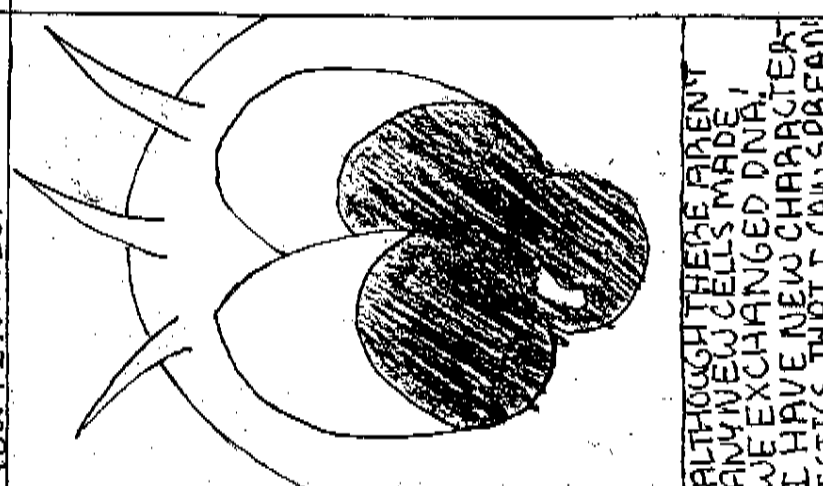
I AM NOW TWO DIFFERENT
AND FULLY FUNCTIONAL
CELLS! THIS PROCESS IS CALLED
BINARY FISSION



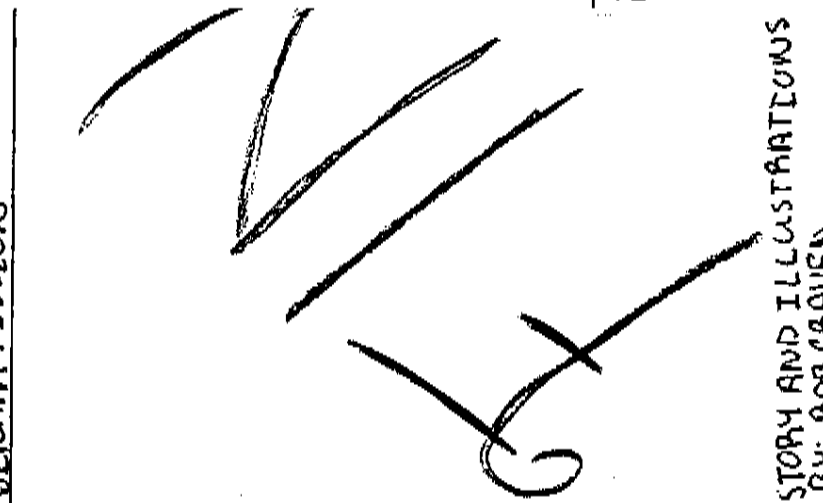
CAN REPRODUCE IN TWO
WAYS! THIS METHOD IS
CALLED CONJUGATION. I USE
MY PILI LIKE A TUNNEL TO
TRANSFER MY DNA.



I ATTACH TO ANOTHER BACTERIAL
CELL THROUGH MY PILI. THEN
USING MY PILI AS A TUNNEL,
I CAN GIVE THE OTHER CELL
SOME OF MY DNA FOR HIS!



ALTHOUGH THERE AREN'T
ANY NEW CELLS MADE!
WE EXCHANGED DNA.
I HAVE NEW CHARACTER-
ISTICS THAT I CAN SPREAD



STORY AND ILLUSTRATIONS
BY: ANNA MARIE